

Description

Subroutine PDFNDR searches for a station in the Preprocessor Data Base.

It hashes on the character identifier to get a record number from the hash array. It reads the station information record and compare the character identifiers. If a match is found then it returns the record number, the station information record and the hash array subscript. If not found it keeps searching through the overflow area. When all of the overflow records have been checked then it will return the first free hash slot found.

Calling Sequence

CALL PDFNDR (ID,LSIBUF,IFIND,ISIREC,ISIBUF,IFREE,ISTAT)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
ID	Input	A8	2	Station character identifier
LSIBUF	Input	I*4	1	Length of ISIBUF (I*2 words)
IFIND	Output	I*4	1	Subscript of hash array if found: 0 = identifier not found
ISIREC	Output	I*4	1	Record number of station information record: 0 = not found
ISIBUF	Output	I*2	LSIBUF	Station information record if found
IFREE	Output	I*4	1	First free slot in hash array if not found: 0 = identifier found
ISTAT	Output	I*4	1	Status: 0 = normal return 1 = other error 2 = file is full